

General

Import: ☒

Generic Name:Carbonmonocycles,
polymer with haloalkyl substituted heteromonocycle and
hydro-hydroxypoly[oxy(alkyl-alkanediyl)],
dialkyl-alkanediamine-terminated, hydroxyalkylated, acetates
(salts)

Physical Chemical Properties

Molecular Formula: [REDACTED]	Molecular Weight: 3129.0
% < 500: 1.2	% < 1000: 5.7
MP:	MP Estimate:
BP:	BP Pressure:
BP Estimate:	
VP (Torr):	VP Estimate (Torr): <0.000001
Water Solubility (g/L):	Water Soluble Estimate (g/L): Dispersible
Log P:	Log P Estimate:
Physical State — Neat: [REDACTED]	Physical State — Manuf: NK: Import

Physical State — Processing: [REDACTED]
Physical State — End Use: [REDACTED]

Additional Chemical Info

NAVG
 MW = 3129 with 1.2% < 500 and 5.7% < 1000 by GPC.
 Submitted
 Properties: WS = Soluble; Density = 1.05 g/cc.
 Estimated Properties: VP
 < 0.000001 torr (Polymer salt); WS = Dispersible (Polymer salt).
 Amine FGEW = $[(130.23)(100)]/[(8.38)(2)] = 777$ by charge.
 Amine FGEW = NAVG/4 = 782 by termination.
 Formaldehyde FGEW
 = $[(30.03)(100)]/[(3.06)(1)] = 981$ by charge.
 Formaldehyde FGEW = NAVG/2
 = 1565 by termination.
 Combined FGEW = $1/[(1/777) + (1/981)] = 434$ by charge.
 Combined FGEW = $1/[(1/782) + (1/1565)] = 521$ by termination.

The structure as drawn on page 1 of this report has a molecular weight of 1162 g/mole.

Uses

Consumer Use? No

Use: Corrosion protection additive in resin for cathodic electrodeposition dip coating for metal substrates.
 Amine FGEW = 777 by charge, 782 by termination.
 Formaldehyde FGEW = 981 by charge, 1565 by termination.
 Combined FGEW = 434 by charge, 521 by termination.

Analogue

Other Uses:

Analogue

Analogs

Reaction Description

4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane;

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Comments/Telephone Log

Artifact	Update/Upload Time